

# SHANK3 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID Q9BYB0

Catalog No. A304-178A

GeneID 85358

Lot No. A304-178A-2



<b>APPLICATIONS</b>	WB, IP
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Rat
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	1000 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8° C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to SHANK3 immobilized on solid support.

The epitope recognized by A304-178A maps to a region between residue 1475 to 1525 of human SH3 and Multiple Ankyrin Repeat Domains 3 using the numbering given in entry Q9BYB0 (GeneID 85358).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot 1:10,000 – 1:25,000

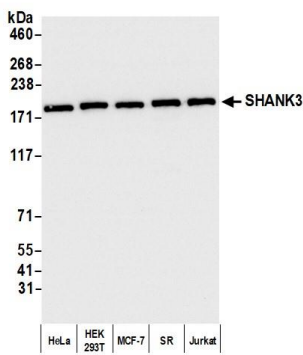
Immunoprecipitation 2 – 10 µg/mg lysate

**ADDITIONAL INFO** <https://www.bethyl.com/product/A304-178A>

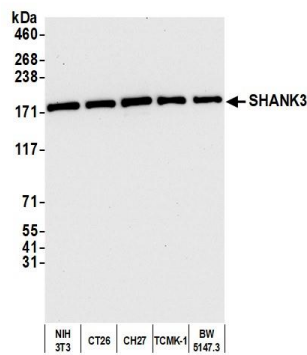
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: [https://www.bethyl.com/content/protocol\\_IP\\_WB](https://www.bethyl.com/content/protocol_IP_WB)

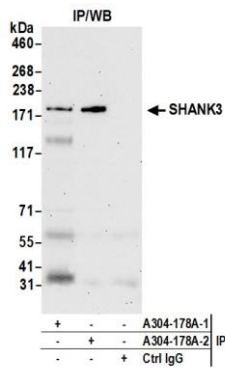
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Brian McWilliams, PhD Date: May 6, 2021



**Detection of human SHANK3 by western blot.** *Samples:* Whole cell lysate (10 µg) from HeLa, HEK293T, MCF-7, SR, and Jurkat cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-SHANK3 antibody (A304-178A lot 2) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.



**Detection of mouse SHANK3 by western blot.** *Samples:* Whole cell lysate (10 µg) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-SHANK3 antibody (A304-178A lot 2) used for WB at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 10 seconds.



**Detection of human SHANK3 by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-SHANK3 antibody (A304-178A lot 2) used for IP at 6 µg per reaction. SHANK3 was also immunoprecipitated by a previous lot of this antibody (A304-178A lot 1). For blotting immunoprecipitated SHANK3, A304-178A was used at 0.04 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.